MSD

May 1, 1998

Ms. Liza Montalvo
Residual Project Manager
Kentucky/Tennessee Section
U. S. Environmental Protection Agency
Region IV
61 Forsyth Street
Atlanta, GA 30303

Re: **Report of Field Observation - FY 98-Third Quarter (FY97-3Q), Lees Lane Superfund Site, Jefferson County, Kentucky, Administrative Order on Consent, USEPA Docket No. 91-32-C**

Dear Ms. Montalvo:

In accordance with paragraph 11, under the heading Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY 98-34Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY98-3Q.

Sincerely,

Carl A. Neumayer
Director of Operations
CAN/dc
Lees-983Qltr
Enc.

cc: Kentucky Natural Resource Environment Protection Cabinet
Mr. Rick Hogan, Division of Waste Management
Kentucky Natural Resource Environment Protection Cabinet
Mr. Jeff Pratt, Division of Waste Management
G. R. Garner, Executive Director
File WD-2 (Lees Lane M&M Quarterly)

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No.: FY98-3Q **Date of Observation: 3/24/98**

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

Comment No.:	Comment
A-4	The depressed areas of the access road between Benchmarks 2 and 3 have been refilled with additional gravel and graded.
B-2	Noted a new No Trespass sign had been installed by MSD in the vicinity of the Lees Lane gate and barricade. Putnam Avenue barricade remains unchanged from previous quarterly institutional inspections. However, there is further evidence of ATV intrusions into the landfill site and flood protection levee from the wooded area south of the Putnam barricade towards the Mill Creek cutoff channel.
C-1	Continue to observe some small arms fire damage to the walls of the Blower House, warning signs and doors. Small arms fire damage is evident on all faces of the blower house except the west side.
C-2	No significant structural damage was observed to the Blower House as being caused by small arms fire.

Comment No.	Corrective Action Performed
A-4	No further corrective action required at this time.
B-2	Install additional no trespass signs between the Putnam Avenue barricade and the Mill Creek cut off channel to discourage ATV intrusions into the landfill site flood protection levee. Otherwise, no further action required relative to the Putnam Avenue barricade.
C-1	No further corrective action required at this time.
C-2	Although there is no significant structural damage to the Blower House, consider repairing small arms fire damage to the concrete block walls by the end of FY98-4Q.

Comment No.:	Comment
C-7	Observed several of the well/moisture trap concrete collars disturbed in the vicinity of gas collecting Wells No. 13, 15, 16, 17, 28, 30 and 31.
C-12	The Blower House warning signs have been significantly damaged and require replacement. All well and moisture trap markers should be repainted and numbers re-stenciled.
D-1	All wells were locked except for the one located on Kenmore.
D-2	Rails on the protective enclosure for the well near the Putnam Avenue access road are damaged and will require re-welding.
D-3	Protective casings of groundwater and gas monitoring wells are showing signs of weathering and the need for repainting.
D-5	Noted possible surface water infiltration into Well No. G-2.

Comment No.	Corrective Action Performed
C-7	Schedule replacement of disturbed and damaged well/ moisture trap concrete collars for gas collecting Wells Nos. 13, 15, 16, 17, 28, 30 and 31, as weather permits, prior to the end of FY98-4Q.
C-12	Schedule replacement of damaged Blower House warning signs before the end of FY98-4Q. Repaint all well and moisture trap markers and re-stencil numbers by the end of FY98-4Q.
D-1	The open lock on the Kenmore Avenue well was relocked during inspection, and, therefore, no further action required at this time.
D-2	Schedule re-welding of damaged guard rail on protective enclosure for the well near the Putnam Avenue access road before the end of FY98-4Q.
D-3	Schedule repainting of groundwater and gas monitoring wells coincident with the repainting of well and moisture trap markers prior to the end of FY98-4Q.
D-5	Continue to observe possible surface water infiltration into Well No. G-2.

Comment No.:	Comment
D-8	Tubing, fittings, and valves for monitoring wells were not directly observed but no external damage or disturbance to enclosures were in evidence. Similar fittings on the monitoring gas and groundwater wells were in satisfactory condition having been used for the prior quarter ambient sampling program.
E-2	Erosion of riprap or underlying material could not be observed because of high river water elevation in the lower pool of the Ohio River adjacent to the landfill site.
E-6	Erosion of riprap and underlying material could not be observed because of high river water elevation in the lower pool of the Ohio River adjacent to the landfill site.
E-8	Noted some buildup of river borne trash and debris on the riprap area as a result of high water on the Ohio River. This debris consists mainly of logs and branches and will continue to be consumed by trespassers building small bon fires.

Comment No.	Corrective Action Performed
D-8	No further corrective action required at this time as tubing and fitting connections appear to be in satisfactory condition in reference to sampling activities conducted by Radian Corp/MSD force account during quarterly institutional inspection activities.
E-2	No corrective action required at this time. Observe conditions at next institutional inspection.
E-6	See E-2 above.
E-8	No corrective action required at this time. Continue to monitor conditions at subsequent quarterly institutional inspections.

Comment No.:	Comment
F-1	Observed some rutting by ATVs adjacent to the access road caused by soggy ground conditions.
F-3	Observed some evidence of erosion caused by movement of ATVs on the landfill cap.
F-4	Observed some inadequate grass cover in the vicinity of benchmarks No. 3 and 4 caused by ATVs using the benchmarks as a turnaround marker.
F5	Observed small quantity of ponded water at the upper end of the shale drainage swale.
F-6	Observed ponded water at the upper inlet end to the culvert under the access road discharging into the shale drainage swale.

Comment No.	Corrective Action Performed
F-1	Continue to monitor at subsequent quarterly institutional inspections, post no trespassing signs at strategic locations and cooperate with Jefferson County Police in the control and apprehension of trespassing ATVs on the landfill site.
F-3	Continue to monitor condition at subsequent quarterly institutional inspections and consider seeding to re-establish vegetation cover.
F-4	See F-3 above.
F-5	Schedule filling of the lower area of the shale drainage swale after completion of the installation of a new drainage pipe sleeve through the existing roadway culvert.
F-6	Schedule filling of upper inlet to assure positive drainage into drainage pipe sleeve installed in the existing roadway pipe culvert prior to the end of FY98-4Q.

Lees3Q-98

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY98-3Q Date of Observation: 03 / 24 / 98

Time Arrived Onsite: 9:50 a.m. Time Departed Site: 11:25 a.m.

Field Personnel: Carl A. Neumayer, Director of Operations and Richard H. Watkins, Support Services Manager, Maintenance Division

Section A: General Site Conditions

Observation:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/ fill material	—	X	—	—
2. Evidence of leachate seepage	—	X	—	—
3. Distressed Vegetation	—	X	—	—
4. Pot holes, erosion of access road	—	X	—	A-4

Section B: Institutional Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade	—	X	—	—
2. Structural problem with Putman Ave. barricade	—	X	—	B-2
3. Lee's Lane gate unlocked	—	X	—	—
4. Broken or missing lock	—	X	—	—

Section C: Gas Collection System

Observation:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house, wells, or moisture traps	X	—	—	C-1
2. Structural damage to blower house	X	—	—	C-2
3. Blower not operating or visible damage	—	X	—	—
4. Blower house not secure and unclean	—	X	—	—

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place	—	X	—	—
6. Alarm and blower controls not functioning	—	X	—	—
7. Settlement or tilting of well/moisture trap concrete collars	X	—	—	C-7
8. Well/moisture trap covers missing or damaged	—	X	—	—
9. Excessive vegetation covering wells/mositure traps	—	X	—	—
10. Adjustment valve inaccessible	—	X	—	—
11. Well/moisture trap caps, plugs, and piping missing or damaged	—	X	—	—
12. Blower house and well/ moisture trap signs missing or damaged	X	—	—	C-12

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked	X	X	—	D-1
2. Guard posts and rails missing or damaged	X	X	—	D-2
3. Protective casing missing, damaged or rusted	X	—	—	D-3
4. Concrete pads damaged or cracked	—	X	—	—
5. Possible surface water infiltration into wells	X	—	—	D-5
6. Excessive vegetation or debris around wells	—	X	—	—
7. Well cap missing or damaged	—	X	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	X	D-8

Section E: Bank Protection Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Subsidence of slope, sloughing or caving	—	X	—	—
2. Erosion of rip-rap or underlying material	—	X	X	E-2
3. Abnormally damp areas, wet ground vegetation	—	X	—	—
4. Soft spots in surface	—	X	—	—
5. Seepage, water flow, piping, or sand boils	—	X	—	—
6. Undermining of rip-rap	—	X	—	E-6
7. Vegetative growth on rip-rap slope	—	X	—	—
8. Buildup of trash and debris on rip-rap	X	—	—	E-8
9. Exposed trash or filter fabric	—	X	—	—
10. Tilting trees	—	X	—	—
11. Tension cracks	—	X	—	—
12. Survey monuments missing or damaged	—	X	—	—

Section F: Surface Waste Cleanup/Cover

Observation:	Yes*	No	Not Observed	Comment No.
1. Swales greater than 1 foot wide and 2 inches deep	X	—	—	F-1
2. Cracks greater than 1 inch wide and 6 inches deep	—	X	—	—
3. Areas of erosional damage to grass	X	—	—	F-3
4. Inadequate grass cover (area > 36 ft^2	X	—	—	F-4
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	X	—	—	F-5
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	X	—	—	F-6

* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY98-3Q Date of Observation 03/24/98

Site Map

Signature of Observer: Carl A. Neumayer Date: 5/1/98

Carl A. Neumayer
Director of Operations